General Index of Articles and Editorials

(COMBUSTION-Vol. 11, No. 1, July, 1939, to and including Vol. 11, No. 12, June, 1940)

EDITORIALS—		P	AGE
	PAGE	High Pressures and Temperatures in Marine Power Plants. By	35
Another Step in Combating Stack Discharge(Nov. 1939) British Practice Forging to the Front(July 1939)	21 23	C. Richard Soderberg(Oct. 1939) High Pressures and Temperatures Planned for Marine Field. By	
Challenge to Business, A (Aug. 1939)	17	J. E. Schmeltzer	22
Coal Exports Stimulated	27 27	(May 1940)	35
Deslagging Operations(Feb. 1940)	21	Discussion of Paper	37
Dollars Versus Improved Efficiency	21 19	By G. B. Gould	31
Embrittlement Research and the Sulphate-Alkalinity Ratio		How to Use Laboratory Tests in Judging Coal Values. By G. B. Gould	29
Engineers in Civic Affairs	19 21	Improved System in the Application of Noncondensing or Ex-	
Expediting Deliveries(Oct. 1939)	23	traction Turbines, An. By H. W. Cross and E. S. Wells, Jr. (July 1939)	32
Fixing Bituminous Coal Prices	23 23	Influence of Copper with Respect to Corrosion in Boilers. By	
Forthcoming Census, The	23 23	F. R. Owens	41
Hydro Power Proves Inadequate(Jan. 1940)	19	Kleinman(May 1940)	45
Hydro Power Proves Inadequate(Jan. 1940) Increase in Power Demand(Sept. 1939) Industrial Steam Conditions Discussed(May 1940)	25 29	Laying Up Boilers for Protracted Outage(July 1939) Liability for Failure to Supply Water. By Leo T. Parker	47
Investigation Throws Light on Turbine-Blade Failures		(Dec. 1939)	39 37
Marine Practice Advances(Aug. 1939)	27 17	Liability Under Service Contracts. By Leo T. Parker. (Apr. 1940) Low-Temperature Carbonization (Apr. 1940)	39
Marine Practice Advances (Apr. 1940)	21	Low-Temperature Carbonization	94
Meeting Programs. (Sept. 1939) New Coal Prices Versus Competitive Fuel. (May 1940)	25 29	Schmid	24
Novel Power Station Design, A(Oct. 1939)	23	Dr. M. J. Fish	33
Opportunities for Combustion Engineers	21 23	Henry Kreisinger and John Blizard(June 1940)	30
Power and Preparedness	19	Model of Rouge Plant Steam Generating Unit(May 1940) Notes on Lubrication under High-Temperature Conditions. By	30
Power Supply Protection	25 21	A. F. Brewer(Aug. 1939)	28
Seek Tax Reimbursement(Feb. 1940)	21	Operation of Chain-Grate Stokers. By W. M. Park. (Apr. 1940) Orsat Checking Chart. By C. T. Justice(Dec. 1939)	24 40
Proposed Power Grid. (Apr. 1940) Seek Tax Reimbursement (Feb. 1940) Time for Bringing Up and Taking Out Boilers. (July 1939) Utilization of Solar Radiation. (Nov. 1939)	23 21	Port Washington Station Sustains Its Economy(Jan. 1940)	33
ARTICLES—		Quality vs. Purity of Steam. By P. B. Place(Mar. 1940) Recent Developments in Turbine Governing to Meet Special Con-	39
		ditions. By R. J. Caughey(June 1940)	27
A.S.M.E. Symposium Discusses High-Pressure Operating Experience. (Dec. 1939)	24	Recirculation of Boiler Water to Hot-Process Softeners. By John J. Maguire and W. J. Tomlinson(Sept. 1939)	26
perience		Resistance to Flow Through a Tube Bank(Sept. 1939)	39
J. C. Falkner Fisk Station Topping-Unit Operation. By A. E. Grunert	24 27	Selection and Care of Lubricants. By J. K. Rummel. (Sept. 1939) Shrinking Bucket Wheels on Turbine Shaft. (May 1940)	43 44
Logan Station of Appalachian Electric Power Co. By Philip Sporn		Shrinking Bucket Wheels on Turbine Shaft (May 1940) Slag Deposits on Heat-Absorbing Surfaces and Means for Re-	
Omaha Station of Nebraska Power Co. By Louis Elliott	29 31	moval. By Paul W. Keppler	35 40 31
A.S.M.E. Annual Fuels Meeting	51 24	Spreader Stokers—Their Application and Operation (Feb. 1940)	
A.S.M.E. Spring Meeting at Worcester, Mass (Feb. 1940)	25	Superheater Arrangements. By Frederic I. Epley(Mar. 1940) Superposed Turbine Blade Research. By F. T. Hague	32
Also see	35	(Mar. 1940)	28
R. T. Hanlon (July 1939)	41	Survey of the Present Fuel Oil Situation, A. By Edward Jamieson. (Jan. 1940)	20
Brimsdown—England's First 2000-Lb Installation(July 1939) Central Station Steam Generating Units of 1939(Jan. 1940)	37 29	Testing Alloy Steels for Oxidation at High Steam Temperatures. By A. A. Potter (Sept. 1939)	33
Coal and Gas. By A. M. Beebee (Dec. 1939)	37	Testing Dust-Separating Apparatus(Nov. 1939)	40
Coal and Gas. By A. M. Beebee. (Dec. 1939) Coal Facts. (Feb. 1940) Combustion Calculations Using the Mol. By H. L. Norris, Jr	40	Test on Steam Generating Unit at 12th Street Station of The Virginia Electric and Power Co. (June 1940)	25
(Mar. 1940)	41	ginia Electric and Power Co	49
Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin		Truing Turbine Shafts	36
Complex Silicate Scales in High-Pressure Boilers—Their Occur-		Smith(Feb. 1940)	26
rence and Correction. By Sheppard T. Powell, Lewis V. Carpenter and John J. Coates(Aug. 1939)	18	Wood, Wilfred R(Aug. 1939)	34
Contract Law for Engineers. By Leo T. Parker(Aug. 1939) Correlation of Steam and Electric Power in Industrial Plants. By	33	AUTHORS—	
G. G. Hollins. (Apr. 1940) Drying Pulverized Coal. By B. J. Cross. (Aug. 1939)	29	Beebee, A. M.—Coal and Gas(Dec. 1939)	37
Drying Pulverized Coal. By B. J. Cross	25	Brewer, A. F.—Notes on Lubrication under High-Temperature	28
Corporation. By C. B. McBride(Sept. 1939)	36	Conditions	
Economic Features of Cumberland Plant Addition, The Potomac Edison Company. By James F. Muir(July 1939)		Mill Method	31
Effect of Condensate Extraction on Efficiency of the Heat Cycle,		Complex Silicate Scales in High-Pressure Boilers—Their	10
By Dr. W. M. Meijer	30	Occurrence and Correction(Aug. 1939) Caughey, R. J.—Recent Developments in Turbine Governing to	18
Kellogg(Jan. 1940)	24	Meet Special Conditions (June 1940) Clark, Frank S.—Evaluation of Proposals for Power Equipment.	27
Energy and Flow Charts for Air Calculations. By Winston R. New	33	(Oct. 1939)	26
Erection of High-Pressure and High-Temperature Piping. By W		Cross, B. J.—Drying Pulverized Coal	25
G. Hooper	20	Cross, H. W. and E. S. Wells, Jr.—An Improved System in the Application of Noncondensing or Extraction Turbines	
Fabrication of Boiler Drums. By A. C. Weigel (Oct. 1939)	26	(July 1939) Deutsch, J. T.—Handling and Disposing of Recovered Fly Ash and	32
Flash-Drying Extends Limits of Prior Practice. By Alfred R.		Dust (Nov. 1939) Elliott, Louis—Omaha Station of Nebraska Power Co. (Dec. 1939)	22
Smith	25 38	Elliott, Louis—Omaha Station of Nebraska Power Co. (Dec. 1939) Epley, Frederic I.—Superheater Arrangements (Mar. 1940)	31 32
Fly Ash and Dust Collection(Oct. 1939)	46	Falkner, J. C.—Superimposed Installation at Waterside Station,	
Fly-Ash Collectors. (E.E.I. Prime Movers Comm.) (Mar. 1940) Free Fusible Material in Coal Ash—An Index of Clinker and Slag	35	New York	24
Formation. By G. B. Gould and H. L. Brunjes(Mar. 1940)	37	Values (Oct. 1939)	29
Further Power Plant Standardization in Germany(Jan. 1940) Grindability Index Determination by the Ball-Mill Method. By	26	How to Interpret and Use the Individual Laboratory Coal Test. (Nov. 1939)	31
H. L. Brunjes(May 1940) Handling and Disposing of Recovered Fly Ash and Dust. By	31	Gould, G. B. and H. L. Brunjes—Free Fusible Material in Coal Ash —An Index of Clinker and Slag Formation(Mar. 1940)	37
J. T. Deutsch(Nov. 1939)	22	Grunert, A. E.—Fisk Station Topping-Unit(Dec. 1939)	27

1	AGE	P	AGE
Hague, F. T.—Superposed Turbine Blade Research(Mar. 1940)	28	Power Consumption of Boiler Feed Pumps(Apr. 1940)	44
Hanlon, R. T.—Application of the Glass Electrode to pH Deter-	41	Power Development in Turkey(Nov. 1939)	46 44
minations(July 1939) Hollins, G. G.—Correlation of Steam and Electric Power in Indus-	41	Power Station Auxiliaries	47
trial Plants(Apr. 1940) Hooper, W. G.—Erection of High-Pressure and High-Temperature	29	Progressive Modernization(Jan. 1940)	37 39
Piping	20	Reciprocating Boiler Feed Pumps. (June 1940) Rolled-in Condenser Tubes. (Jan. 1940)	36
Piping (June 1940) Jamieson, Edward—A Survey of the Present Fuel Oil Situation		Russian Mercury-Vapor Turbine(Feb. 1940)	43
Justice, C. T.—Orsat Checking Chart(Dec. 1939)	20 40	Self-Priming Centrifugal Pump. (May 1940) Shanghai's Power Supply. (Aug. 1939)	56 35
(May 1940)	59	Simplified Turbine and Condenser Arrangement (Jan. 1940)	35
Kellogg, C. W.—The Electric Light and Power Industry in 1939 (Jan. 1940)	24	Small Steam Generating Unit. (Nov. 1939) Some Coal Statistics. (Jan. 1940)	45 35
Keppler, Paul W.—Slag Deposits on Heat-Absorbing Surfaces and		Steam Distribution System in South Wales (Feb. 1940)	46
Means for Removal(Feb. 1940)	35	Steam Formation in a Vertical Boiler Tube(Apr. 1940)	40 43
Kleinman, H. A.—Intermittent Burning of Gas and Pulverized Coal(May 1940)	45	Steam Storage System	10
Kreisinger, Henry and John Blizard—Milwaukee's Contribution to	00	(Oct. 1939)	44 37
Pulverized Coal Development(June 1940) McBride, C. B.—Dust Collection Tests at New Power Plant of the	30	Sulphur Extraction. (Jan. 1940) Testing Pipe Welds. (Feb. 1940)	42
Industrial Rayon Corporation(Sept. 1939)	36	Tests on Combustion Turbine (Feb. 1940)	41
McLaughlin, J. F.—Complete Boiler Control Maintains Balanced Operation at Des Moines(Feb. 1940)	22	Tests on Steel for Loeffler Boilers at Brimsdown(Dec. 1939) Twentieth Century Advance in Efficiencies(May 1940)	43 53
Maguire, John J. and W. J. Tomlinson—Recirculation of Boiler		Underground Power Station(July 1939)	44
Water to Hot-Process Softeners(Sept. 1939) Meijer, Dr. W. M.—Effect of Condensate Extraction on Efficiency	26	War's Effect on London's Electrical Load(Nov. 1939) Water Stored in Cement-Lined Tanks Increases in Hardness	46
of the Heat Cycle(Aug. 1939)	30	(Nov. 1939)	47
Muir, James F.—Economic Features of Cumberland Plant Addition, The Potomac Edison Company(July 1939)	24		
New, Winston R.—Energy and Flow Charts for Air Calculations.		REVIEW OF NEW BOOKS	
(Apr. 1940) Norris, H. L., Jr.—Combustion Calculations Using the Mol	33		
(Mar. 1940)	41	Arc Welding(Sept. 1939)	47
Owens, F. R.—Influence of Copper with Respect to Corrosion in		Boiler Feedwater Treatment. By F. J. Matthews (May 1940) Boiler Operators' Guide. By Harry M. Spring, Jr (May 1940)	$\begin{array}{c} 52 \\ 52 \end{array}$
Boilers	41 24	Coal Analyses (Macquown)	47
Parker, Leo T.—Contract Law for Engineers (Aug. 1939)	33	Engineering Materials. By Alfred H. White(Oct. 1939)	28 47
Liability for Failure to Supply Water	39 37	Gas Engine Handbook (American Gas Association)(Jan. 1940)	28
Peiter, F. and Dr. M. J. Fish—Method of Heat Transfer Through	01	Grindability Indices. By R. E. Gilmore and J. H. H. Nicolls (Sept. 1939)	47
Insulation(Dec. 1939)	33	Heat Power. By E. B. Norris and Eric Therkelsen. (Sept. 1939)	48
Place, P. B.—Quality vs. Purity of Steam	39	Heating and Air Conditioning (Fifth Edition). By J. R. Allen and	47
Temperatures(Sept. 1939)	33	J. H. Walker(Oct. 1939) Heating, Ventilating, and Air Conditioning Guide(May 1940)	47 52
Rummel, J. K.—Selection and Care of Lubricants(Sept. 1939) Ryan, William F.—Higher Pressures in Industrial Plants	43	History of the Growth of the Steam Engine, A. By Dr. Robert H.	45
(May 1940)	35	Thurston	45
Schmeltzer, J. E.—High Pressures and Temperatures Planned for Marine Field	22	Dunlap(May 1940)	52
Marine Field		Internal Combustion Engines. By Lester C. Lichty. (Oct. 1939) Lubricants and Lubrication. By James I. Clower (Sept. 1939)	47
iaries(Oct. 1939) Smith, Alfred R.—Flash-Drying Extends Limits of Prior Practice.	24	Manual of Ordinances and Requirements (Smoke Prevention As-	
(Nov. 1939)	25	sociation)	47
Smith, Ronald B.—Turbine-Generators of Small and Medium Size. (Feb. 1940)	26	Chapman and T. G. Cowlings(Mar. 1940)	45
Soderberg, C. Richard—High Pressures and Temperatures in		1939 Utility Chart. By R. A. Burrows (Sept. 1939) Piping Handbook. By J. H. Walker and Sabin Crocker	48
Marine Power Plants(Oct. 1939) Sporn, Philip—Logan Station of Appalachian Electric Power Co.	35	(Sept. 1939)	47
(Dec. 1939)	29	Power Economics for Engineering Students. By R. C. Gorham (Jan. 1940)	28
Weigel, A. C.—Fabrication of Boiler Drums(Oct. 1939)	40	Correction	52
CTEAM ENGINEEDING ADDOAD		Results of Municipal Lighting Plants (Burns & McDonnell) (Sept. 1939)	48
STEAM ENGINEERING ABROAD Acceptance Tests for Steam Boilers(Apr. 1940)	42	Standard Chemical and Technical Dictionary. By H. Bennett	
Back Pressure and Extraction Turbine(Dec. 1939)	43	(Sept. 1939) Standards of Deaerator and Deaerator Heater Section. (By the	48
Battersea High-Pressure Boiler(May 1940)	55	Heat Exchange Institute)	52
Boiler Efficiency Meter(Nov. 1939) Buckling of Fire Tubes(Aug. 1939)	44 37	Statistical Thermodynamics. By R. H. Fowler and E. A. Guggen-	45
Burning Cork Waste(Oct. 1939) Burning Pea and Duff in Layers on Chain Grates(July 1939)	43	heim	10
Burning Pitch and Coke Breeze(Feb. 1940)	45 43	(Sept. 1939)	48
Burning Pitch in Pulverized Form (July 1939)	44	Steam and Hot Water Fittings. By William T. Walters	47
Chimneyless Boiler Plant (Aug. 1939) Cleaning Boiler Surfaces (June 1940)	35 37	Stoker Handbook. By H. D. Airesman(Oct. 1939)	47
Combined Turbine and Rotary Boiler (Sept. 1939)	46	Training Procedure. By Frank Cushman(May 1940) Treatment of Coal with Oil. By J. M. Pilcher and R. A. Sherman.	52
Combustion of Pulverized Coal	41	(Sept. 1939)	47
Condenser Tubes	41 43	Vapor Charts (Second Edition). By F. O. Ellenwood and C. O.	48
Electrical Progress in Poland (Sept. 1939)	45	Mackey	28
Fly Ash and Dust Collection	46 35		
French Power Statistics(Nov. 1939)	46	OF ROCIETED INDEX	
French Rotating Boiler, A	44	CLASSIFIED INDEX—	
High-Pressure Gate Valve(Oct. 1939)	43	Pailana	
High-Speed Turbine with Special Double-Casing (Mar. 1940)	47	Boilers	
High Steam Temperature	43	A.S.M.E. Symposium Discusses High-Pressure Operating Ex-	
(June 1940)	38	perience. (Dec. 1939)	24
	45	perience. (Dec. 1939) Central Station Steam Generating Units of 1939. (Jan. 1940) Correction. (Feb. 1940)	29 46
Italian Motor Plant Employs High Pressure(July 1939) Larger Velox Steam Generators(June 1940)			-
Larger Velox Steam Generators(June 1940) Largest Chimney in England(Sept. 1939)	39 45	Complete Boiler Control Maintains Balanced Operation at Des	-
Larger Velox Steam Generators	39 45 54	Complete Boiler Control Maintains Balanced Operation at Des	22
Larger Velox Steam Generators. (June 1940) Largest Chimney in England. (Sept. 1939) Maintenance of Steam Temperature. (May 1940) Marine Superheaters. (June 1940) Materials for Thermocouples. (Aug. 1939)	39 45 54 36 38	Complete Boiler Control Maintains Balanced Operation at Des	22 40 38
Larger Velox Steam Generators (June 1940) Largest Chimney in England (Sept. 1939) Maintenance of Steam Temperature (May 1940) Marine Superheaters (June 1940) Materials for Thermocouples (Aug. 1939) New Combustion Turbine, A (Mar. 1940)	39 45 54 36 38 48	Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin	
Larger Velox Steam Generators. (June 1940) Largest Chimney in England. (Sept. 1939) Maintenance of Steam Temperature. (May 1940) Marine Superheaters. (June 1940) Materials for Thermocouples. (Aug. 1939) New Combustion Turbine, A. (Mar. 1940) New Plant at Hong Kong. (June 1940) Novel Turbine Rotor Construction (Sept. 1930)	39 45 54 36 38 48 37	Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin	
Larger Velox Steam Generators (June 1940) Largest Chimney in England (Sept. 1939) Maintenance of Steam Temperature (May 1940) Marine Superheaters (June 1940) Materials for Thermocouples (Aug. 1939) New Combustion Turbine, A (Mar. 1940) New Plant at Hong Kong (June 1940) Novel Turbine Rotor Construction (Sept. 1939) Operation of the Grid in England (Jan. 1940)	39 45 54 36 38 48 37 45 35	Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin	
Larger Velox Steam Generators. (June 1940) Largest Chimney in England. (Sept. 1939) Maintenance of Steam Temperature. (May 1940) Marine Superheaters. (June 1940) Materials for Thermocouples. (Aug. 1939) New Combustion Turbine, A. (Mar. 1940) New Plant at Hong Kong. (June 1940) Novel Turbine Rotor Construction (Sept. 1930)	39 45 54 36 38 48 37 45	Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin	41

Marine Practice

P	AGE	P	AGE
Coal Facts	40 25	High Pressures and Temperatures Planned for Marine Field. By	
Fixing Bituminous Coal Prices (Editorial)	23	J. E. Schmeltzer	22
Formation. By G. B. Gould and H. L. Brunjes (Mar. 1940) Grindability Index Determination by the Ball-Mill Method. By	37	C. Richard Soderberg. (Oct. 1939) Marine Practice Advances (Editorial) (Aug. 1939) Marine Practice Advances (Editorial) (Aug. 1939)	35 17
H. L. Brunjes(May 1940)	31	Marine Practice Advances (Editorial)(Apr. 1940)	21
How to Interpret and Use the Individual Laboratory Coal Test. By G. B. Gould	31		
How to Use Laboratory Tests in Judging Coal Values. By G. B. Gould. (Oct. 1939) Low-Temperature Carbonization (Apr. 1940)	29 39	Pulverized Coal	
		A.S.M.E. Symposium Discusses High-Pressure Operating Ex-	0.4
Coal and Ash Handling Systems		Drying Pulverized Coal. By B. J. Cross. (Aug. 1939) (Aug. 1939)	24 25
Another Step in Combating Stack Discharge(Nov. 1939) Dust Collection Tests at New Power Plant of The Industrial Rayon	21	Free Fusible Material in Coal Ash—An Index of Clinker and Slag Formation. By G. B. Gould and H. L. Brunjes(Mar. 1940)	37
Corp. By C. B. McBride. (Sept. 1939) Fly Ash and Dust Collection (Oct. 1939)	36 46	Grindability Index Determination by the Ball-Mill Method. By H. L. Brunjes(May 1940)	31
Fly Ash Collectors (E.E.I. Prime Movers Committee)	35	Milwaukee's Contribution to Pulverized Coal Development. By Henry Kreisinger and John Blizard(June 1940)	30
Handling and Disposing of Recovered Fly Ash and Dust. By J. T. Deutsch(Nov. 1939)	22		
Testing Dust-Separating Apparatus(Nov. 1939)	40	Research	
		Research	
Combustion		Free Fusible Material in Coal Ash—An Index of Clinker and Slag	
Combustion Calculations Using the Mol. By H. L. Norris, Jr (Mar. 1940)	41	Formation. By G. B. Gould and H. L. Brunjes(Mar. 1940) How to Interpret and Use the Individual Laboratory Coal Test.	37
Energy and Flow Charts for Air Calculations. By Winston R.	33	By G. B. Gould(Nov. 1939) How to Use Laboratory Tests in Judging Coal Values. By G. B.	31
New	40 59	Gould	29
(May 1940)	ua	Testing Alloy Steels for Oxidation at High Steam Temperatures.	28
Feedwater and Boiler Water		By Ä. A. Potter (Sept. 1939) Testing Dust-Separating Apparatus (Nov. 1939)	33 40
Application of the Glass Electrode to pH Determinations. By R. T. Hanlon(July 1939)	41		
Complex Silicate Scales in High-Pressure Boilers—Their Oc-	41	Steam Pressures, Temperatures and Cycles	
currence and Correction. By Sheppard T. Powell, Lewis V. Carpenter and John J. Coates. (Aug. 1939)	18		
Effect of Condensate Extraction on Efficiency of the Heat Cycle. By Dr. W. M. Meijer. (Aug. 1939) Embritlement Research and the Sylphote Alkelinite Better	30	A.S.M.E. Symposium Discusses High-Pressure Operating Experience(Dec. 1939)	24
Embrittlement Research and the Sulphate-Alkalinity Ratio (Editorial)	19	Brimsdown—England's First 2000-Lb Installation(July 1939) Effect of Condensate Extraction on Efficiency of the Heat Cycle.	37
F. R. Owens	41 39	By Dr. W. M. Meijer	30
Recirculation of Boiler Water to Hot-Process Softeners. By John J. Maguire and W. J. Tomlinson	26	C. Richard Soderberg(Oct. 1939) High Pressures and Temperatures Planned for Marine Field. By	35
5. Maguire and W. 5. Tommison(Sept. 1959)	20	J. E. Schmeltzer. (Apr. 1940) High-Pressure, High-Temperature Operation. (Dec. 1939)	22 23
Fuels (General)		Higher Pressures in Industrial Plants. By W. F. Ryan. (May 1940)	35 37
Coal and Gas. By A. M. Beebee(Dec. 1939)	37	Discussion of Paper	28
Intermittent Burning of Gas and Pulverized Coal. By H. A.		A. F. Brewer	32
Kleinman	45 29	By A. A. Potter(Sept. 1939)	
(Jan. 1940)	20		
Furnaces		Stokers	
Free Fusible Material in Coal Ash—An Index of Clinker and Slag Formation. By G. B. Gould and H. L. Brunjes(Mar. 1940)	37	Free Fusible Material in Coal Ash—An Index of Clinker and Slag	
Method of Heat Transfer Through Insulation. By F. Peiter and Dr. M. J. Fish. (Dec. 1939)		Formation. By G. B. Gould and H. L. Brunjes (Mar. 1940) Operation of Chain-Grate Stokers. By W. M. Park (Apr. 1940)	37 24
Slag Deposits on Heat-Absorbing Surfaces and Means for Removal. By Paul W. Keppler		Spreader Stokers—Their Application and Operation (Feb. 1940)	
By Faul W. Reppier(Feb. 1940)	00		
Installations		Turbine-Generators	
Brimsdown Station, North Metropolitan Power Supply Company		Improved System in the Application of Noncondensing or Ex-	
Brimsdown—England's First 2000-Lb Installation. (July 1939) Cumberland Plant, The Potomac Edison Co., Cumberland, Md. Economic Features of Cumberland Plant Addition, The Potomac		traction Turbines, An. By H. W. Cross and E. S. Wells, Jr (July 1939)	
Edison Company. By James F. Muir	24	Investigation Throws Light on Turbine-Blade Failures (Editorial). (Mar. 1940)	
Complete Boiler Control Maintains Balanced Operation at Des Moines. By J. F. McLaughlin. (Feb. 1940)		Mechanical-Drive Turbines for Power House Auxiliaries. By W. Schmid. (Oct. 1939)	24
Painesville, Ohio, Plant, Industrial Rayon Corporation Dust Collection Tests at New Power Plant of The Industrial Rayon		Recent Development in Turbine Governing to Meet Special Conditions. (June 1940)	
Corp. By C. B. McBride (Sept. 1939) Port Washington Station, Wisconsin Electric Power Co.		Shrinking Bucket Wheels on Turbine Shaft(May 1940) Superposed Turbine Blade Research. By F. T. Hague	44
Port Washington Station Sustains Its Economy (Jan. 1940) Waterside Station, Consolidated Edison Co. of N. Y., New York	33	Truing Turbine Shafts(Apr. 1940)	36
Superimposed Installation at Waterside Station, New York By J. C. Falkner. (Dec. 1939)		Turbine-Generators of Small and Medium Size. By Ronald B.	
COMPUSED ON The 1940			43